

C.O. #76
CHAIN OF CUSTODY REPORT

Work Order #: M106034

CLIENT: Bristol		INVOICE TO: Bristol										TURNAROUND REQUEST in Business Days* <div>Organic & Inorganic Analyses</div> <div>10 7 5 4 3 2 1 <1</div> <div>STD. Petroleum Hydrocarbon Analyses</div> <div>5 4 3 2 1 <1</div> <div>STD. OTHER Please Specify</div> <div>*Turnaround Requests less than standard may incur Rush Charges.</div>					
REPORT TO: Anne Krawawethon		P.O. NUMBER: 21090															
ADDRESS: Andriitha Island, Ak.		REQUESTED ANALYSES															
PHONE: 770 0974 FAX: 770-0975																	
PROJECT NAME: Amclitha																	
PROJECT NUMBER: 21090																	
SAMPLED BY: CRM																	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DRO	BTEX w/Naph										MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID	
1. 01AM A6135L	6/12/01 1136	✓	✓										S	2			
2. 01AM A6145L	6/12/01 1137	✓	✓										S	2			
3.	1444	✓	✓														
4.	1446	✓	✓														
5.	1448	✓	✓														
6.	1450	✓	✓														
7.	1452	✓	✓														
8.	1454	✓	✓														
9.	1500	✓	✓														
10.	1502	✓	✓														
11.	1504	✓	✓														
12.	1506	✓	✓														
13.	1508	✓	✓														
14. 01AM A6135L 6/12/01	1510	✓	✓														
15. 01AM A6135L 6/12/01	1512	✓	✓														
RELINQUISHED BY: Cheri Madull		FIRM: Bristol		DATE: 6/12/01		TIME: 1658		RECEIVED BY: Craig Brade		FIRM: NCA		DATE: 6/12/01		TIME: 1659			
RELINQUISHED BY:		FIRM:		DATE:		TIME:		RECEIVED BY:		FIRM:		DATE:		TIME:			
ADDITIONAL REMARKS:														TEMP: 7.8c		PAGE 1 of 1	



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/12/01 16:58. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106034



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/15/01 10:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMA613SL	M106034-01	Soil	06/12/01 11:30	06/12/01 16:58
01AMA614SL	M106034-02	Soil	06/12/01 11:35	06/12/01 16:58

COC # 76

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/15/01 10:33

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMA613SL (M106034-01) Soil

Sampled: 06/12/01 Received: 06/12/01

Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/12/01	06/13/01	0106039	
Surr: 1-Chlorooctadecane	90.5 %	75-125							
Surr: Triacontane	92.3 %	75-125							

01AMA614SL (M106034-02) Soil

Sampled: 06/12/01 Received: 06/12/01

Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/12/01	06/13/01	0106039	
Surr: 1-Chlorooctadecane	85.4 %	75-125							
Surr: Triacontane	87.4 %	75-125							

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/15/01 10:33

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA613SL (M106034-01) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0704	mg/kg dry	50	1B BTEX/MTI	06/12/01	06/13/01	0106041	
Toluene	ND	0.282	"	"	"	"	"	"	
Ethylbenzene	ND	0.282	"	"	"	"	"	"	
Xylenes (total)	ND	0.564	"	"	"	"	"	"	
Naphthalene	ND	2.82	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	91.7 %	50-150							
01AMA614SL (M106034-02) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0623	mg/kg dry	50	1B BTEX/MTI	06/12/01	06/13/01	0106041	
Toluene	ND	0.249	"	"	"	"	"	"	
Ethylbenzene	ND	0.249	"	"	"	"	"	"	
Xylenes (total)	ND	0.498	"	"	"	"	"	"	
Naphthalene	ND	2.49	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	89.9 %	50-150							

North Creek Analytical - Mobile Lab

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/15/01 10:33

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA613SL (M106034-01) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	85.6	0.0100 % by Weight		1	Gravimetric	06/12/01	06/13/01	0106040	
01AMA614SL (M106034-02) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	76.9	0.0100 % by Weight		1	Gravimetric	06/12/01	06/13/01	0106040	

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/15/01 10:33

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106039 - 3545 ASE

Blank (0106039-BLK1)

Prepared: 06/12/01 Analyzed: 06/13/01

Diesel Range Organics ND 150 mg/kg wet

Surr: 1-Chlorooctadecane 19.0 " 23.4 81.2 75-125

Surr: Triacotane 19.5 " 23.4 83.3 75-125

LCS (0106039-BS1)

Prepared: 06/12/01 Analyzed: 06/13/01

Diesel Range Organics 1310 150 mg/kg wet 1250 105 75-125

Surr: 1-Chlorooctadecane 21.1 " 23.4 90.2 75-125

Surr: Triacotane 21.5 " 23.4 91.9 75-125

LCS Dup (0106039-BSD1)

Prepared: 06/12/01 Analyzed: 06/13/01

Diesel Range Organics 1360 150 mg/kg wet 1250 109 75-125 3.75 20

Surr: 1-Chlorooctadecane 22.4 " 23.4 95.7 75-125

Surr: Triacotane 21.7 " 23.4 92.7 75-125

Matrix Spike (0106039-MS1)

Source: M106032-05

Prepared: 06/12/01 Analyzed: 06/13/01

Diesel Range Organics 1910 150 mg/kg dry 1650 331 95.7 60-140

Surr: 1-Chlorooctadecane 29.0 " 30.9 93.9 75-125

Surr: Triacotane 28.4 " 30.9 91.9 75-125

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/15/01 10:33

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106041 - MeOH Extraction

Blank (0106041-BLK1)

Prepared & Analyzed: 06/12/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.38 " 2.50 95.2 50-150

LCS (0106041-BS1)

Prepared & Analyzed: 06/12/01

Benzene	2.12	0.0250	mg/kg wet	2.50	84.8	69-138
Toluene	2.24	0.100	"	2.50	89.6	53-151
Ethylbenzene	2.58	0.100	"	2.50	103	61-141
Xylenes (total)	7.10	0.200	"	7.50	94.7	62-141
Naphthalene	2.83	1.00	"	2.50	113	65-135

Surr: 4-BFB 2.58 " 2.50 103 50-150

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Project: Amchitka
Project Number: 21090
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Reported:
06/15/01 10:33

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
wet Sample results reported on a wet weight basis (as received)
RPD Relative Percent Difference

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Environmental Laboratory Network

7 of 7

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106034 FINAL 06 15 01 1033.mdb Default Report (not modified)